

IN THE CLAIMS:

1. (Amended) A method for producing a filamentous bacterium exhibiting reduced branching and fragment septation during growth, [particularly growth in a liquid medium,] said method comprising:

providing a filamentous bacterium, said filamentous bacterium lacking significant endogenous ssgA activity, with the capability of having or expressing heterologous SsgA-activity, which activity, in *Streptomyces griseus*, is encoded by an ssgA gene having at least the sequence:

1 ATGCGCGAGTCGGTTCAAGCAGAGGTCATGATGAGCTTCCTCGTCTCCGA

51 GGAGCTCTCGTTCCGTAATCCGGTGGAGCTCCGATACGAGGTCGGCGATC

101 CGTATGCCATCCGGATGACGTTCCACCTTCCCGGCGATGCCCCTGTGACC

151 TGGGCGTTCGGCCGCGAGCTGCTGCTGGACGGGCTCAACAGCCCCGAGCGG

201 CGACGGCGATGTGCACATCCGCCCCGACCGAGCCCCGAGGGCCTCGGAGATG

251 TCCACATCCGGCTCCAGGTCGGCGCGGACCGTGCGCTGTTCCGGGCGGGG

301 ACGGCACCGCTGGTGGCGTTCTTCGACCGGACGGACAAGCTCGTGCCGCT

351 CGGCCAGGAGCACACGCTGGGTGACTTCGACGGCAACCTGGAGGACGCAC

401 TGGGCCGCATCCTCGCCGAGGAGCAGAACGCCGGCTGA.

2. (Amended) A method for producing a filamentous bacterium exhibiting enhanced fragmentation during growth, [particularly growth in a liquid medium,] said method comprising:

providing a filamentous bacterium, wherein said filamentous bacterium lacks significant endogenous ssgA activity, with the capability of having or expressing heterologous ssgA-activity, which activity in *Streptomyces Griseus* is encoded by an ssgA gene having the sequence:

1 ATGCGCGAGTGGTTCAAGCAGAGGTCATGATGAGCTTCCTCGTCTCCGA
 51 GGAGCTCTCGTTCCGTATTCCGGTGGAGCTCCGATACGAGGTCGGCGATC
 101 CGTATGCCATCCGGATGACGTTCCACCTTCCCGGCGATGCCCCTGTGACC
 151 TGGGCGTTCGGCCGAGCTGCTGCTGGACGGGCTCAACAGCCCCGAGCGG
 201 CGACGGCGATGTGCATCGGCCCGACCGAGCCCGAGGGCCTCGGAGATG
 251 TCCACATCCGGCTCAGGTCGGCGCGGACCGTGCCTGTTCCGGGCGGGG
 301 ACGGCACCGCTGGTGGCGTTCCTCGACCGGACGGACAAGCTCGTGCCGCT
 351 CGGCCAGGAGCACACGCTGGGTGACTTCGACGGCAACCTGGAGGACGCAC
 401 TGGGCCGCATCCTCGCCGAGGAGCAGAACGCCGGCTGA.

3. (Amended) The method according to claim 1 [or 2], wherein said additional SsgA-activity is provided by transfecting or transforming said filamentous bacterium with additional genetic information encoding said activity.

8. (Amended) The method according to [any one of claims 3-7]claim 3, wherein said additional genetic information is integrated into the bacterial genome.

9. (Amended) The method according to [any one of claims 3-8]claim 3, wherein said additional genetic information is part of an episomal element.

10. (Amended) The method according to [any one of the foregoing claims]claim 3, wherein said filamentous bacterium does not have significant endogenous ssgA-activity.

11. (Amended) The method according to [any one of the foregoing claims]claim 3 wherein said ssgA-activity is inducible or repressible with a signal.

12. (Amended) The method according to [any one of the aforementioned claims]claim 3 wherein said filamentous bacterium is an Actinomyces.

14. (Amended) The method according to [any one of the foregoing claims]claim 3 wherein said filamentous bacterium produces a useful product.

18. (Amended) The method according to claim 16 [or 17], wherein said protein is expressed from a vector encoding said protein present in said filamentous bacterium.

19. (Amended) The method according to claim [16, 17 or] 18, wherein said protein is secreted by said filamentous bacterium.

20. (Amended) A filamentous bacterium [obtainable]produced by [a]the method according to [any one of the foregoing claims]claim 3.

22. (Amended) A method for producing an antibiotic or a useful protein comprising culturing a filamentous bacterium according to claim 19 [or 21] and harvesting said antibiotic or protein from said culture.

Please add the following new claims:

24. The method according to claim 2, wherein said additional SsgA-activity is provided by transfecting or transforming said filamentous bacterium with additional genetic information encoding said activity.

25. The method according to claim 24, wherein said additional genetic information comprises an ssgA gene or a derivative or fragment thereof encoding similar SsgA-activity.

26. The method according to claim 25, wherein said ssgA gene is derived from an actinomycete.

27. The method according to claim 25, wherein said gene is derived from a streptomycete.

28. The method according to claim 27, wherein said gene is derived from *Streptomyces griseus*, *Streptomyces collinus*, *Streptomyces albus*, *Streptomyces goldeniensis* or *Streptomyces netropsis*.